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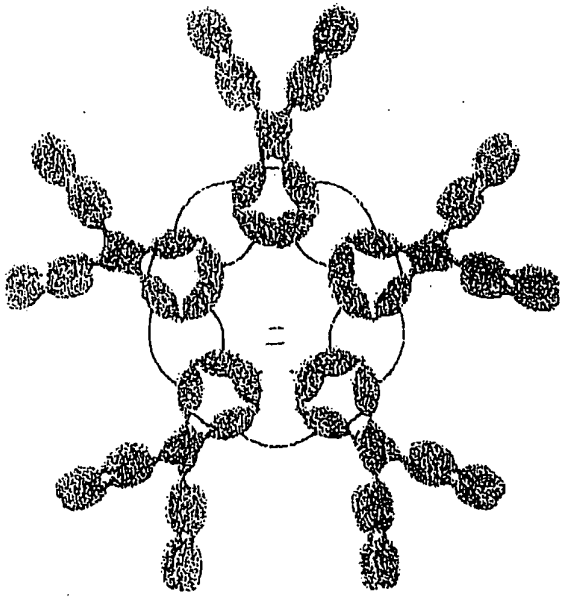
FIG. 1A



IgM 950Kd

FIG. 1B

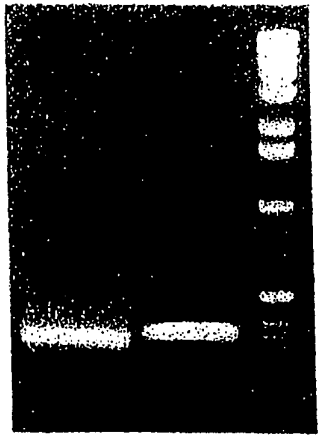


FIG. 1C

750bp

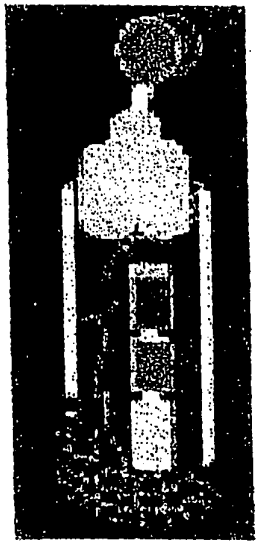


FIG. 1D

scFv 25Kd

FIG. 1E

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FIG.2

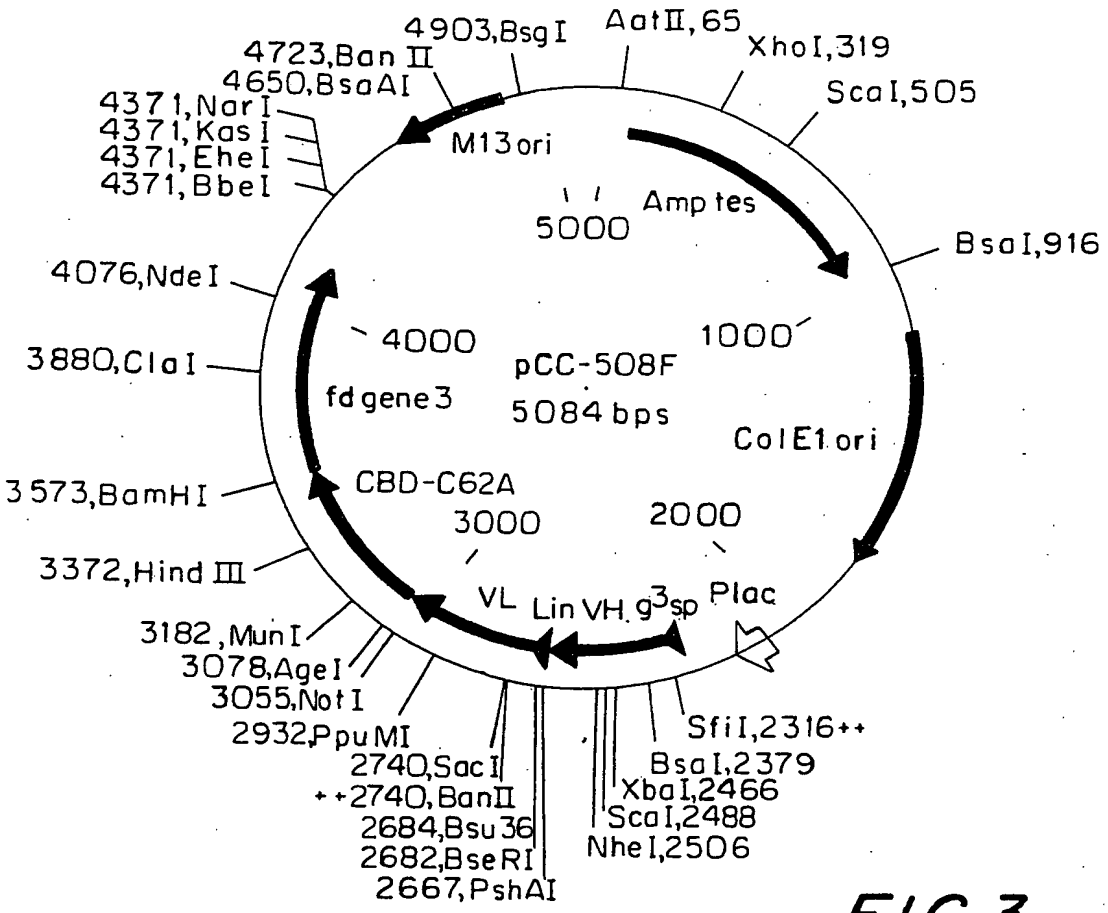

FIG.3

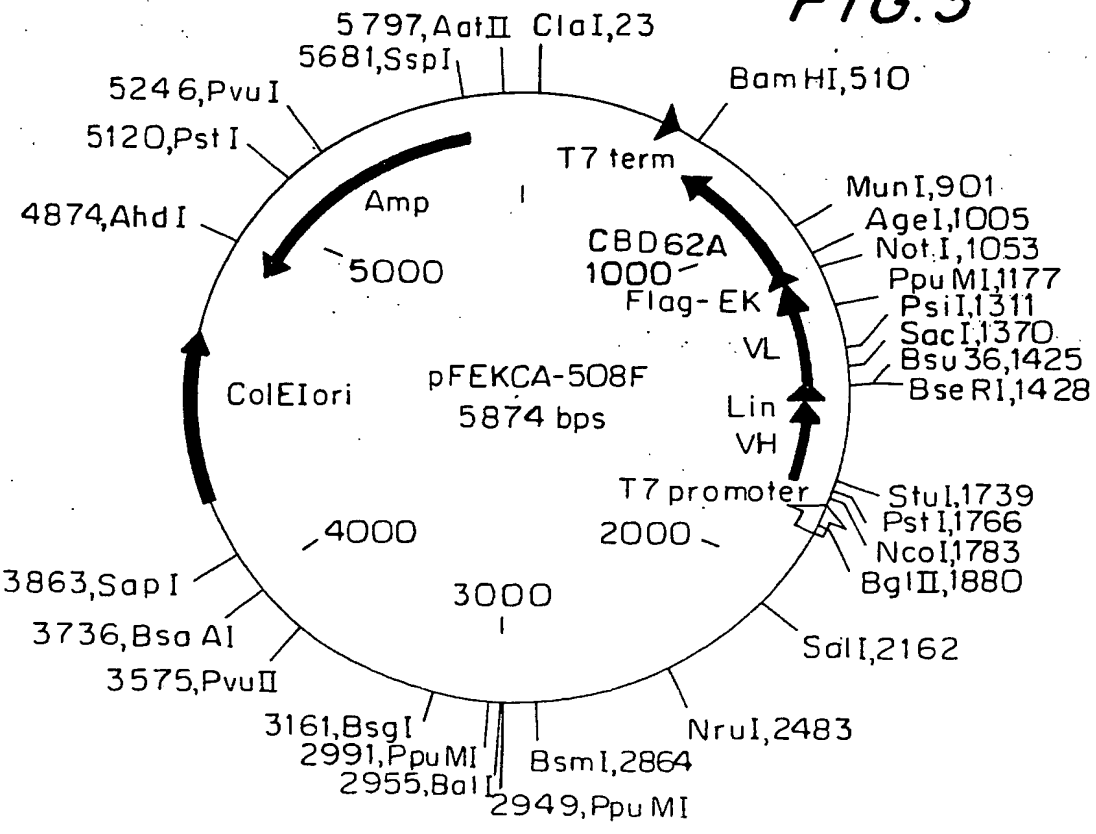

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FIG. 4

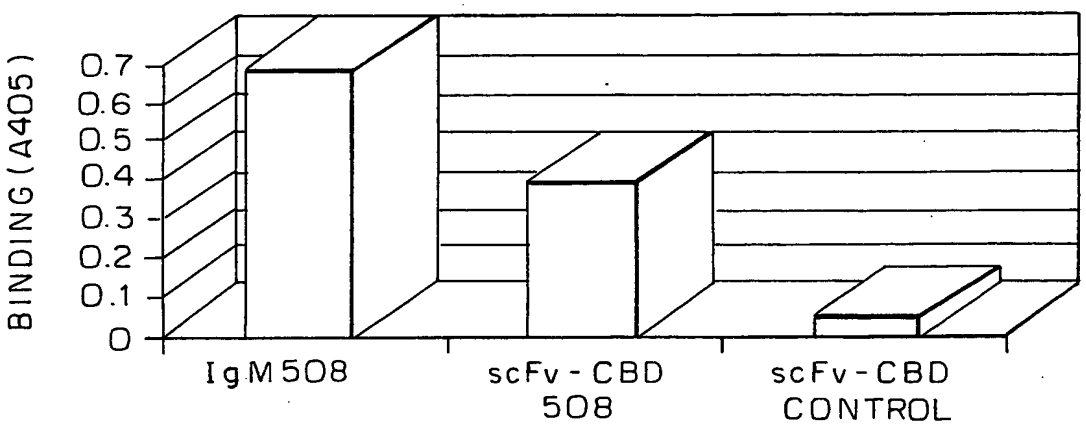
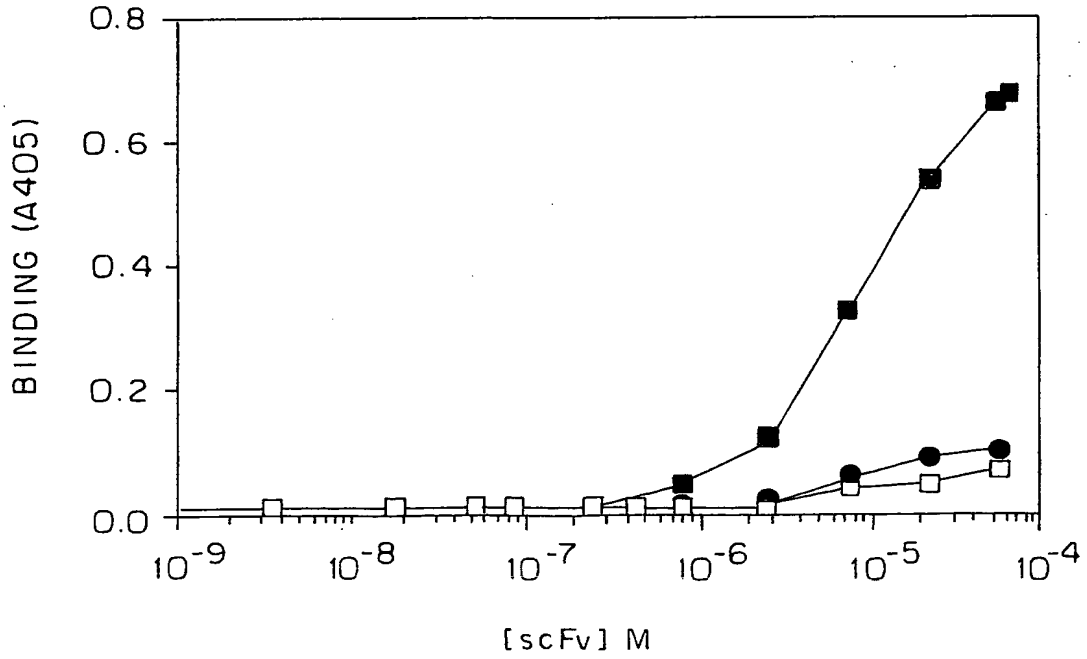


FIG. 7



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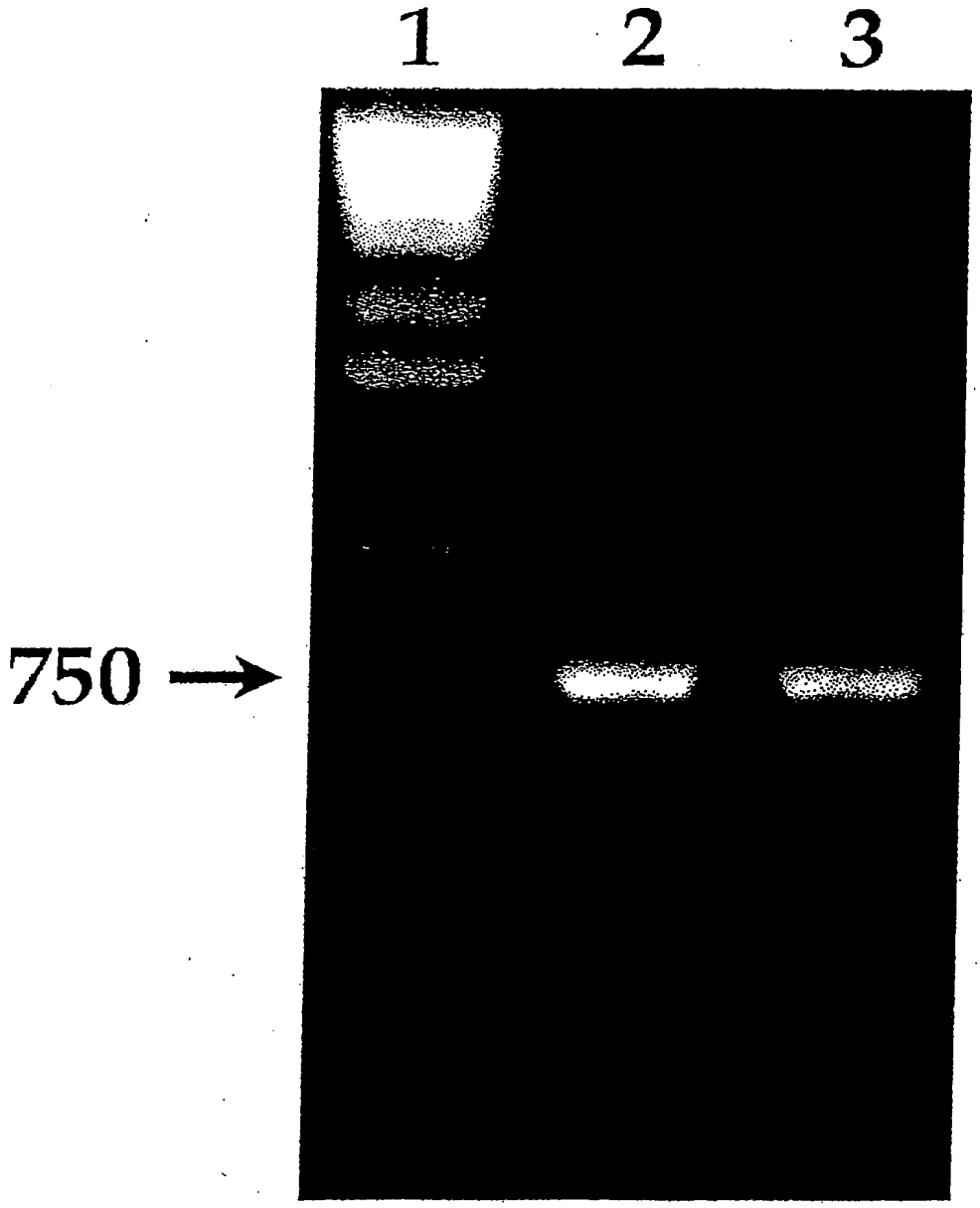

FIG. 5

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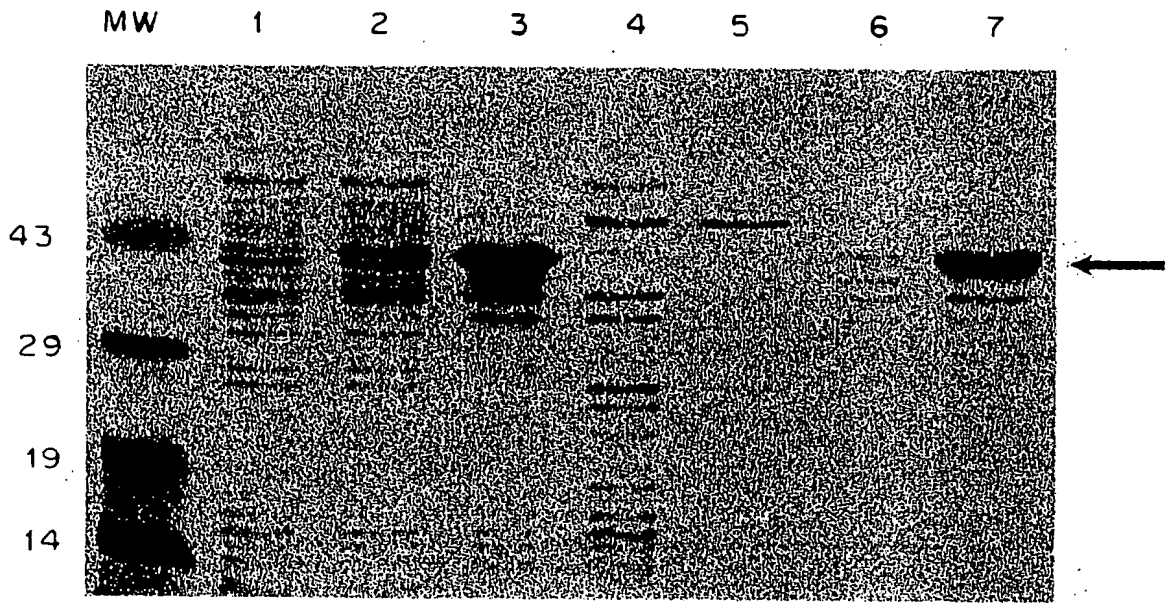
FIG. 6



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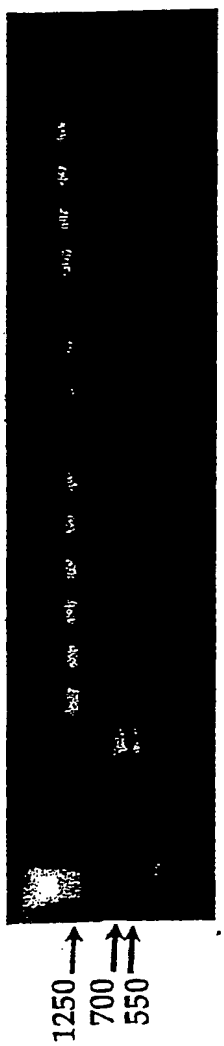

FIG. 8A

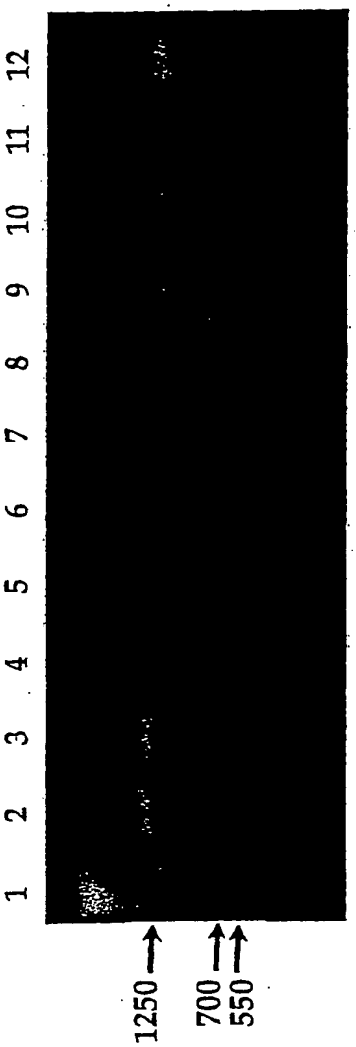

FIG. 8B

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FIG. 9a

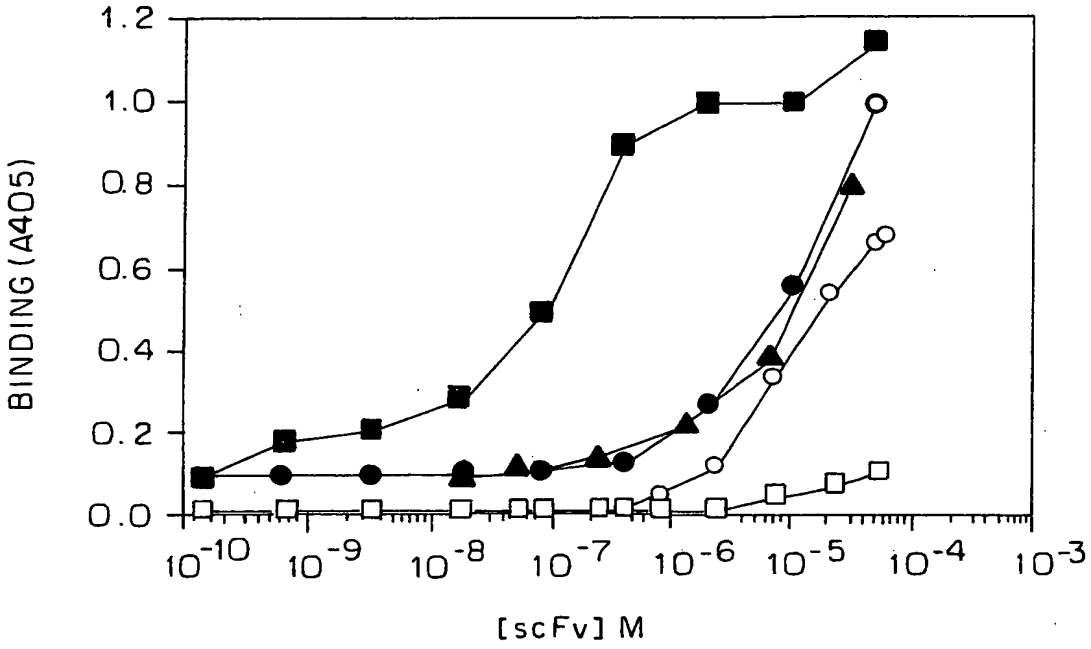

FIG. 9b

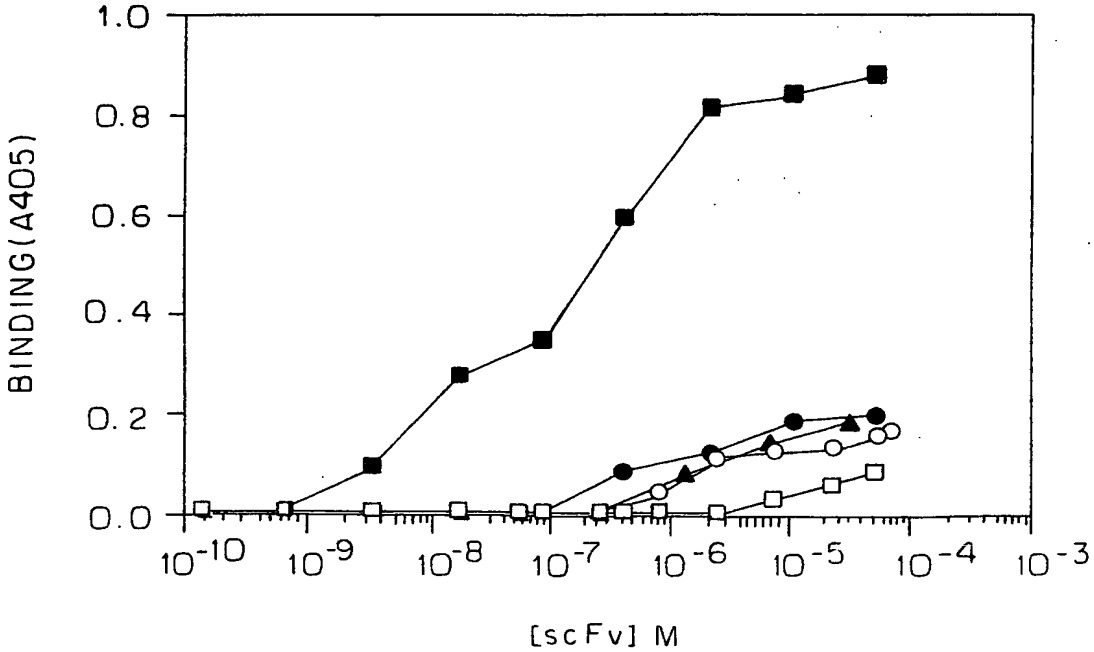

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FIG. 10

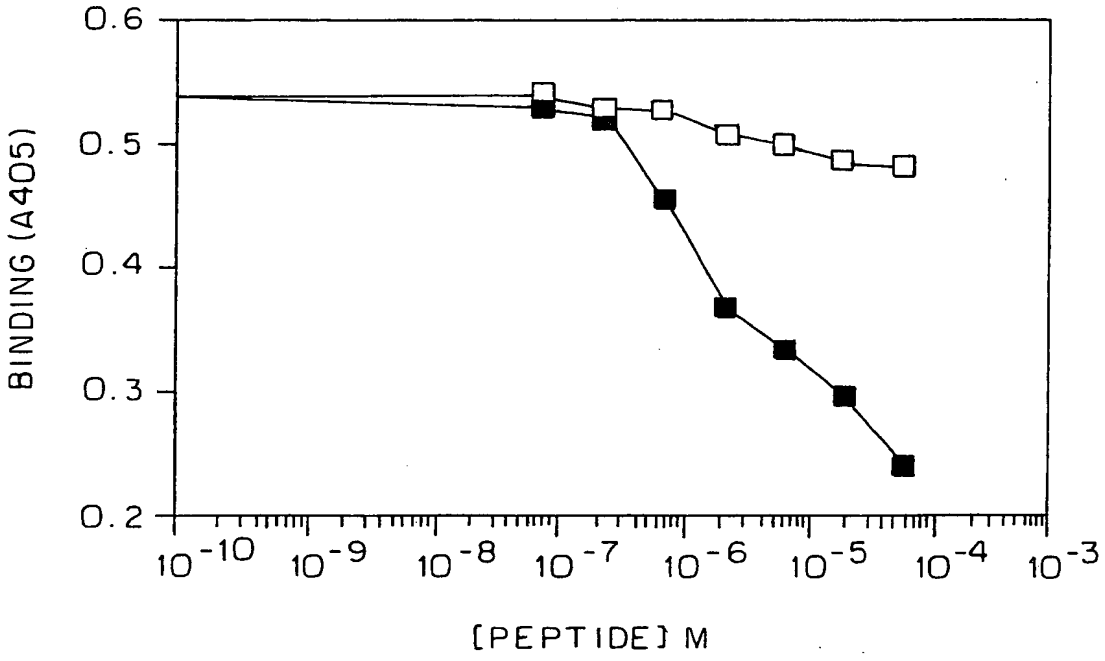

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FIG. 11a

CAG GTC AAA CTG CAG GAG TCA GGG GCT GAG CTG GTG AGG CCT GGG GTC TCA GTG AAG ATT
gln val lys leu gln glu ser gly ala glu leu val arg pro gly val ser val lys ile

TCC TGC AAG GGT TCT GGC TAC ACA TTC ACT GAT TAT GCT ATG CAC TGG GTG AAG CAG AGT
ser cys lys gly ser gly tyr thr phe thr asp tyr ala met his trp val lys gln ser
CDR 1

CAT GCA AAG AGT CTA GAG TGG ATT GGA GTT ATT AGT ACT TAC TAT GGT GAT GCT AGC TAC
his ala lys ser leu glu trp ile gly val ile ser thr tyr tyr gly asp ala ser tyr
CDR 2

AAC CAG AAG TTC AAG GGC AAG GCC ACA ATG ACT GTA GAC AAA TCC TCC AGC ACA GCC TAT
asn gln lys phe lys gly lys ala thr met thr val asp lys ser ser ser thr ala tyr
CDR 2

ATG GAA CTT GCC AGA CTG ACA TCT GAG GAT TCT GCC ATC TAT TAC TGT GCA AGA GGG GCT
met glu leu ala arg leu thr ser glu asp ser ala ile tyr tyr cys ala arg gly ala
CDR 3

ACT ATG TCC TAC TTT GAC TAC TGG GGC CAA GTG ACC ACG GTC ACC GTC TCC TCA ggt gga
thr met ser tyr phe asp tyr trp gly gln val thr thr val thr val ser ser gly gly
CDR 3

FIG. 11b

ggc ggt tca ggc gga gtt ggc tct ggc ggt ggc gga tcg GAC ATC GAG CTC ACT CAG TCT
gly gly ser gly gly val gly ser gly gly gly gly ser asp ile glu leu thr gln ser
Linker

CCA GCA ATC ATG TCT GCA TCT CCA GGG GAG AAG GTC ACC ATG ACC TGC AGT GCC AGC TCA
pro ala ile met ser ala ser pro gly glu lys val thr met thr cys ser ala ser ser
CDR 1

AGT ATA AGT TAC ATG CAC TGG TAT CAG CAG AAG CCA GGC ACC TCC CCC AAA AGA TGG ATT
ser ile ser tyr met his trp tyr gln gln lys pro gly thr ser pro lys arg trp ile
CDR 1

TAT GAC ACA TCC AAA CTG GCT TCT GGA GTC CCT GCT CGC TTC AGT GGC AGT GGG TCT GGG
tyr asp thr ser lys leu ala ser gly val pro ala arg phe ser gly ser gly ser gly
CDR 2

ACC TCT TAT TCT CTC ACA ATC AGC AGC ATG GAG GCT GAA GAT GCT GCC ACT TAT TAC TGC
thr ser tyr ser leu thr ile ser ser met glu ala glu asp ala ala thr tyr tyr cys

CAT CAG CCG AGT AGT TAC CCA TTC ACG TTC GGA GGG GGG GCC AAG CTG GAA ATA AAA
his gln arg ser ser tyr pro phe thr phe gly gly gly ala lys leu glu ile lys
CDR 3

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FIG. 12

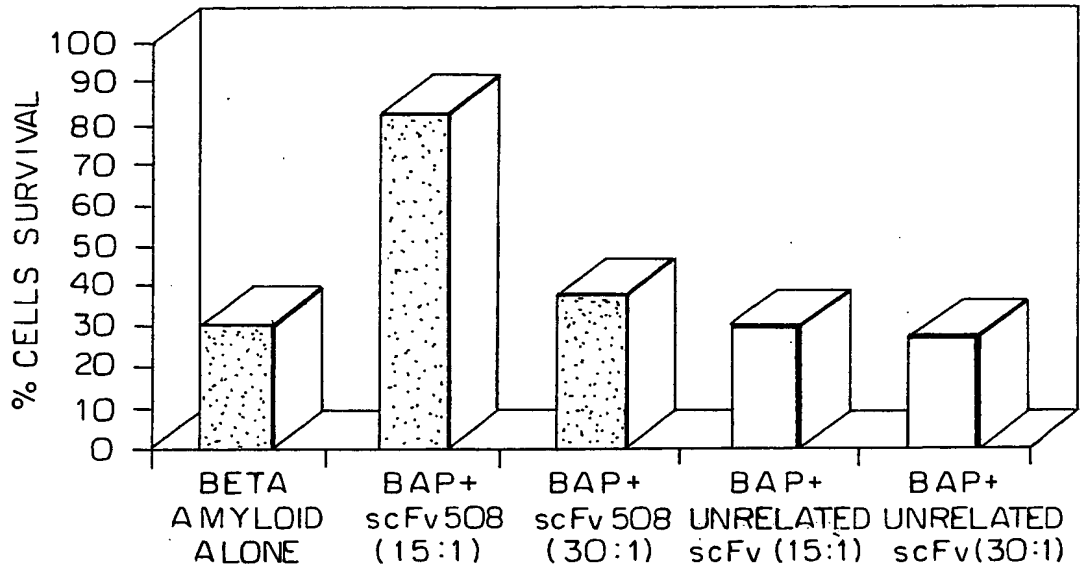

FIG. 13

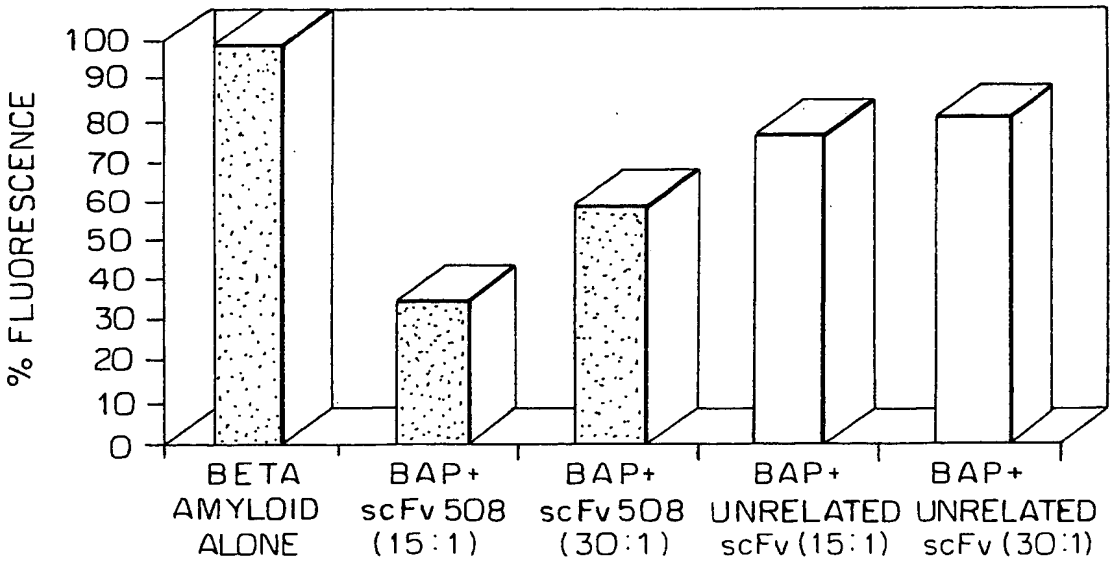

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FIG. 14a

FIG. 14c

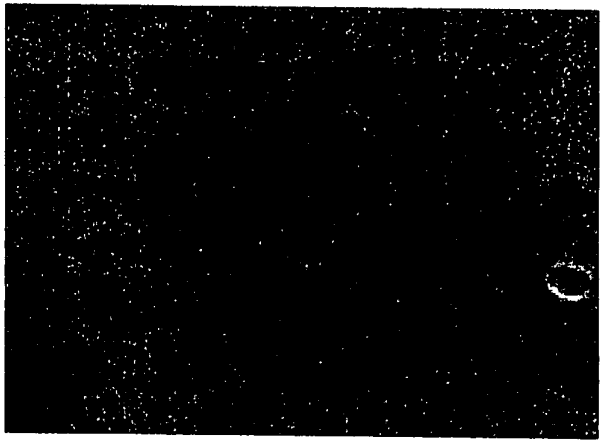

FIG. 14b

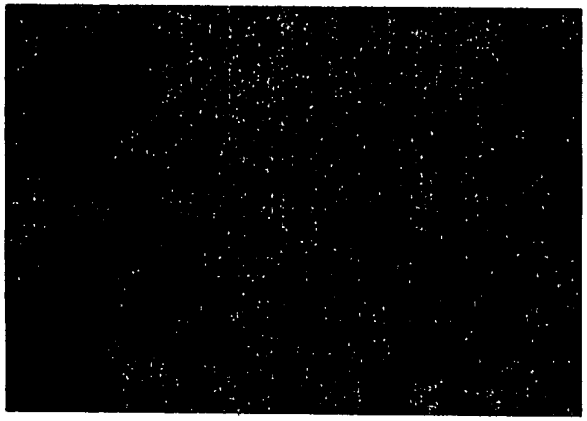

FIG. 14d

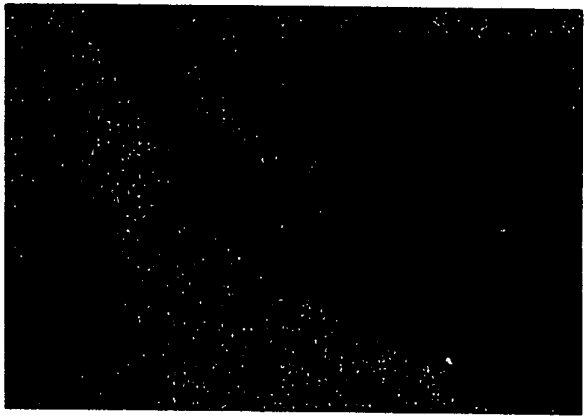

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FIG. 15A

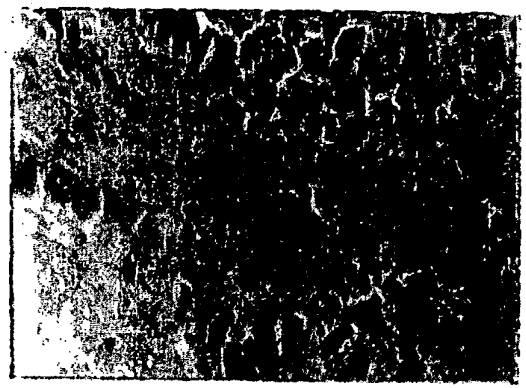

FIG. 15C

FIG. 15B

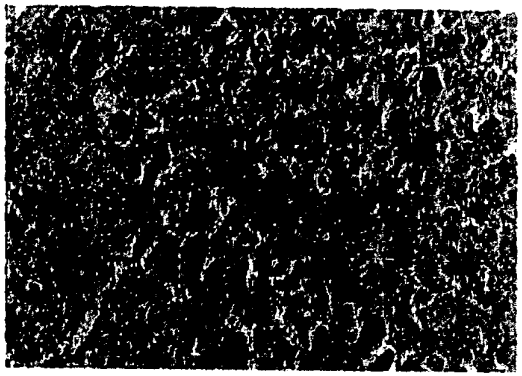

FIG. 15D

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FIG. 16A

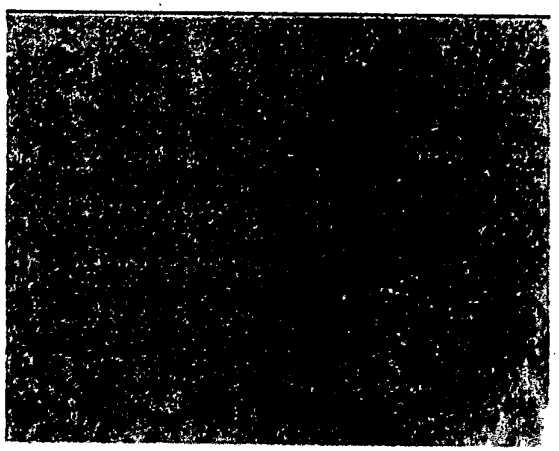

FIG. 16C

FIG. 16B

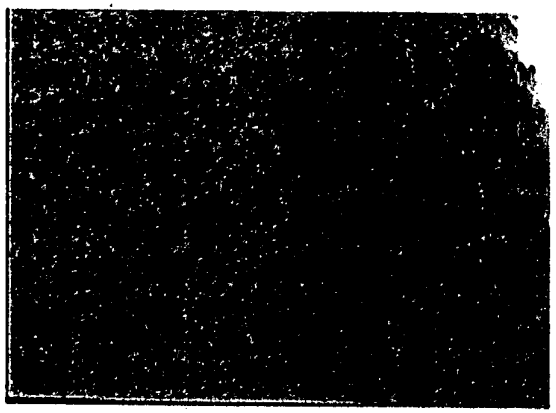

FIG. 16D

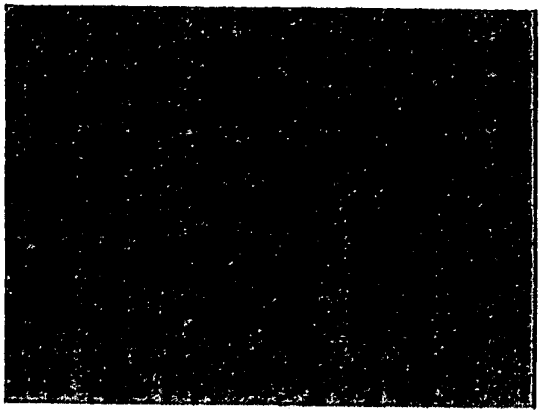

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FIG. 17

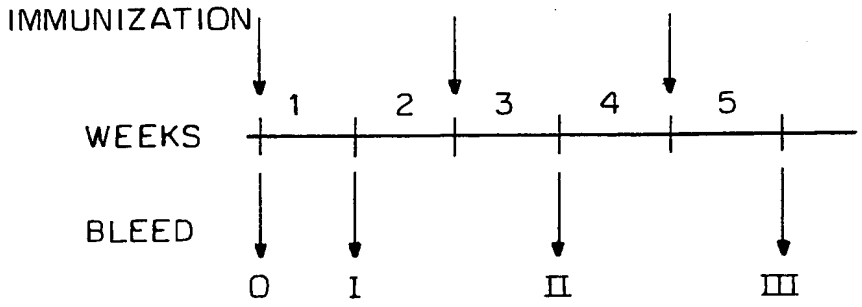

FIG. 18a

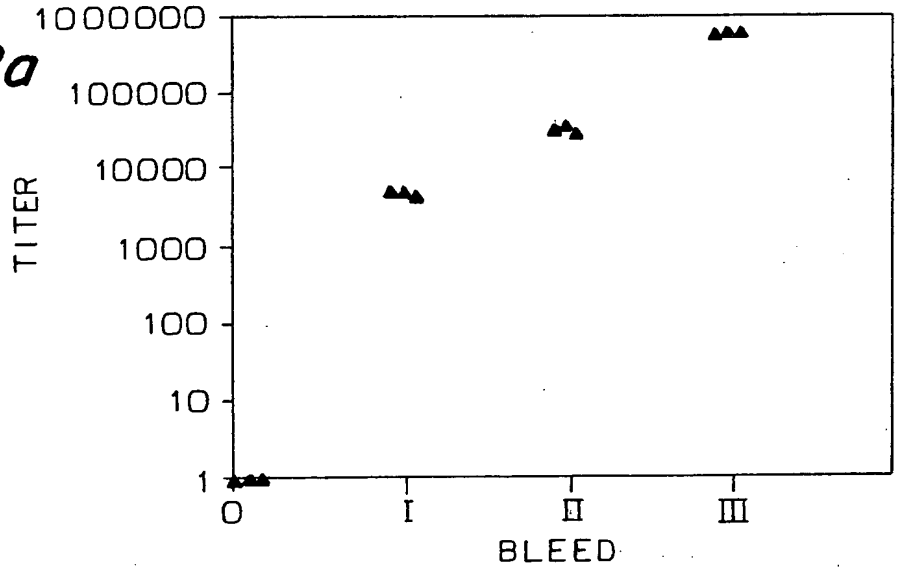

FIG. 18b

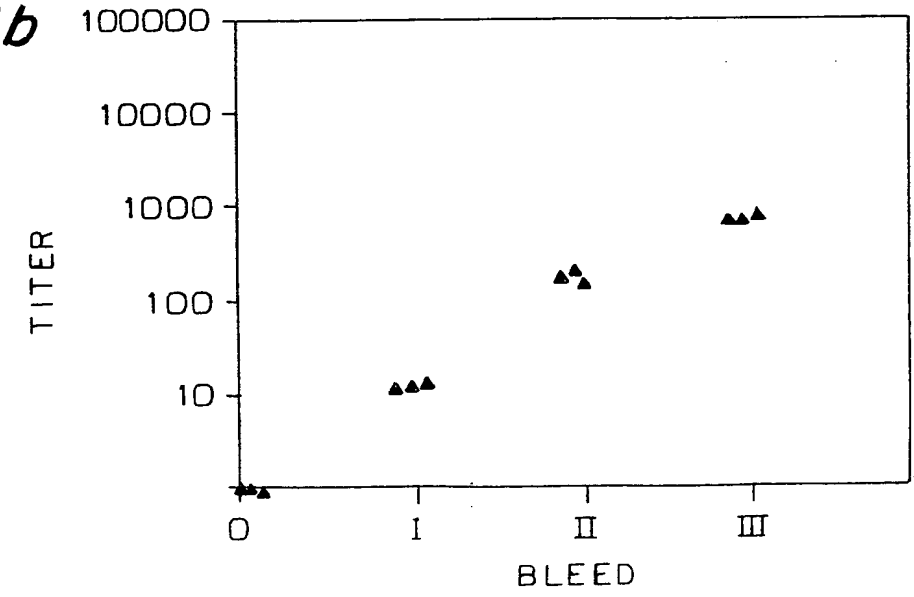

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FIG. 19

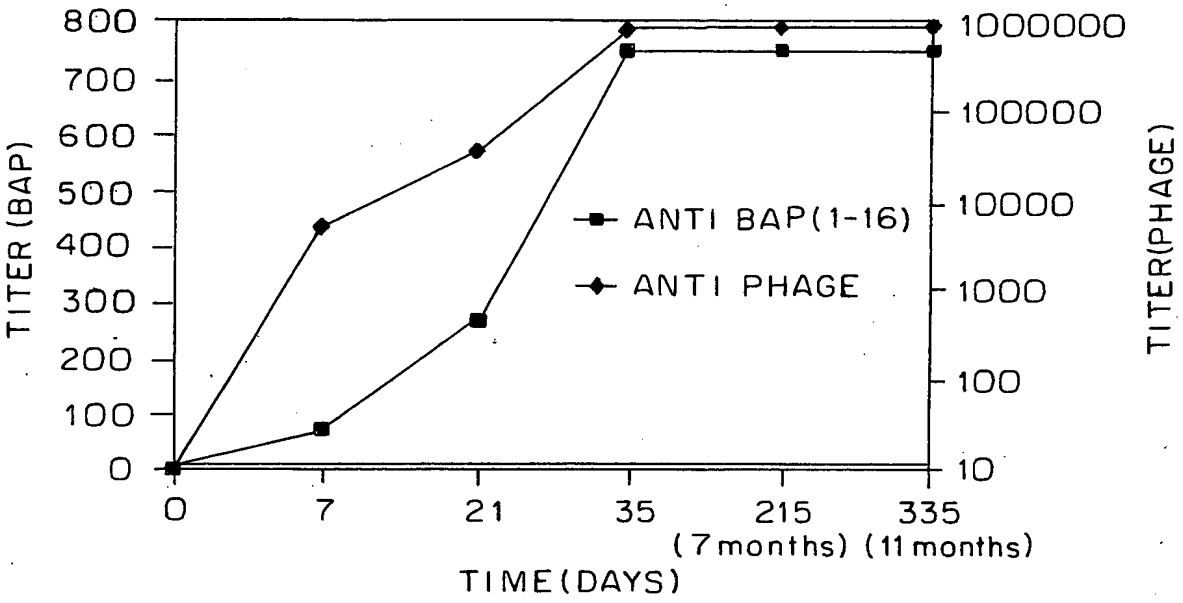

FIG. 20

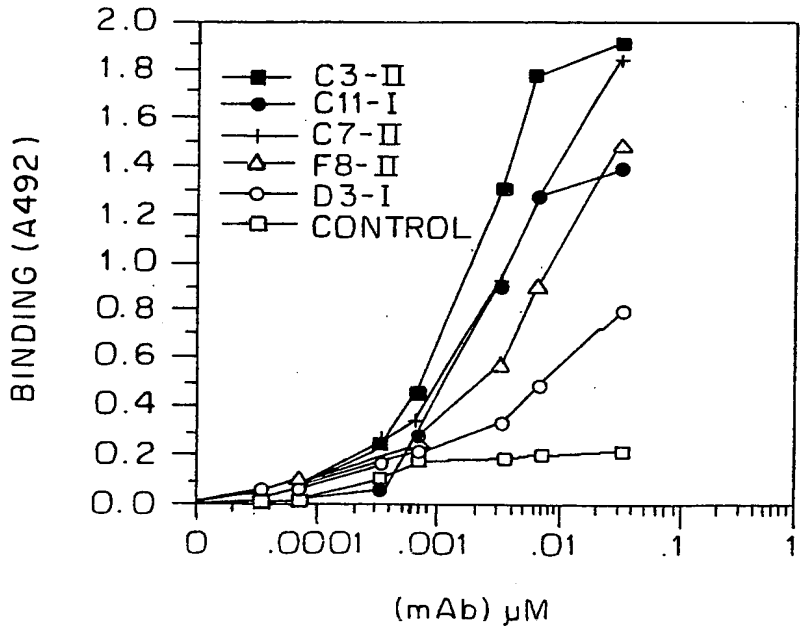

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FIG. 21

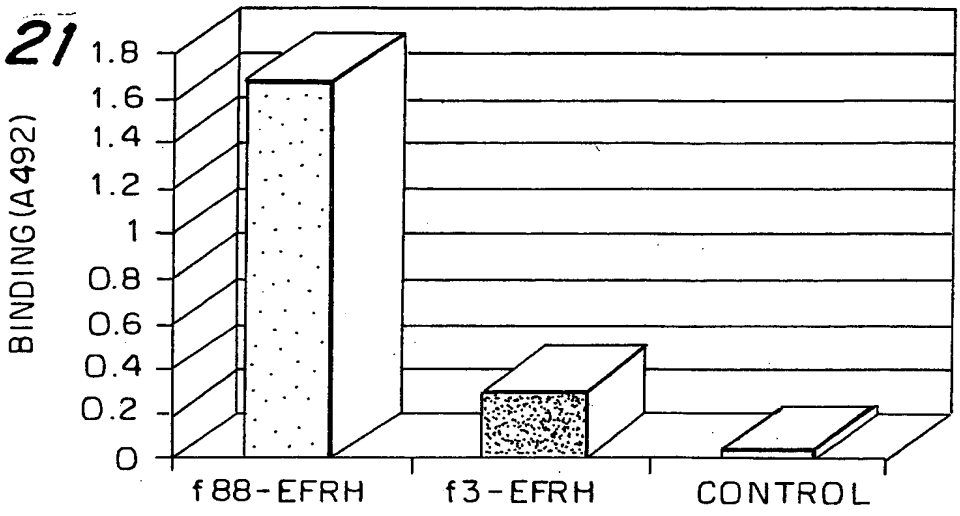

FIG. 22a

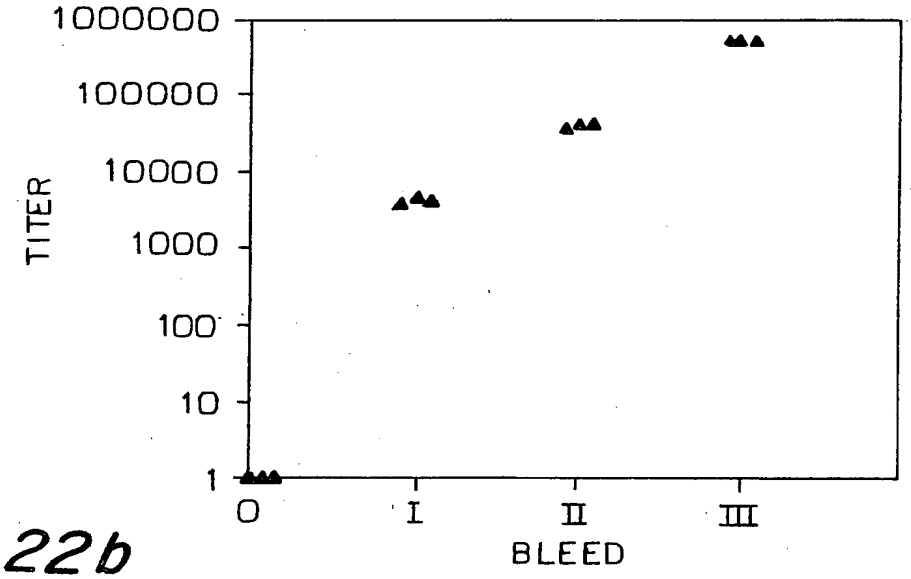

FIG. 22b

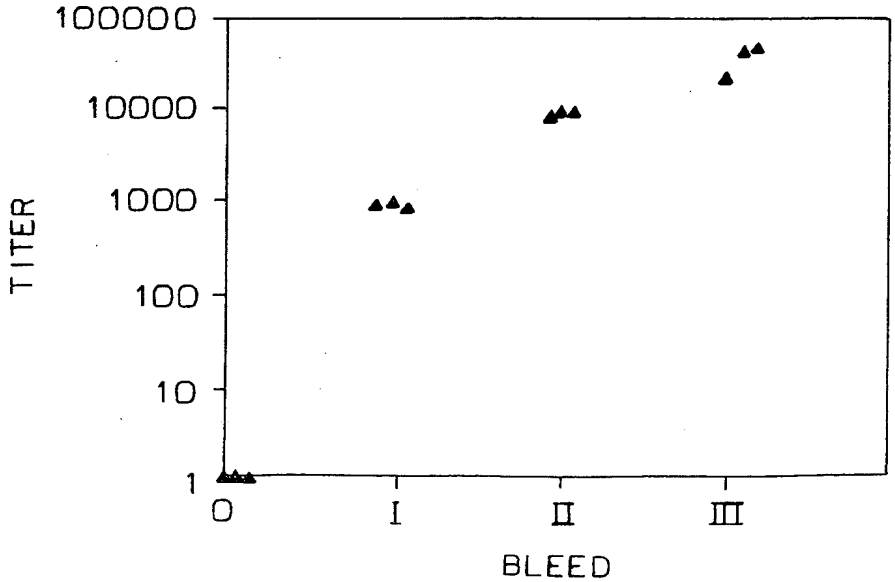

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FIG. 23

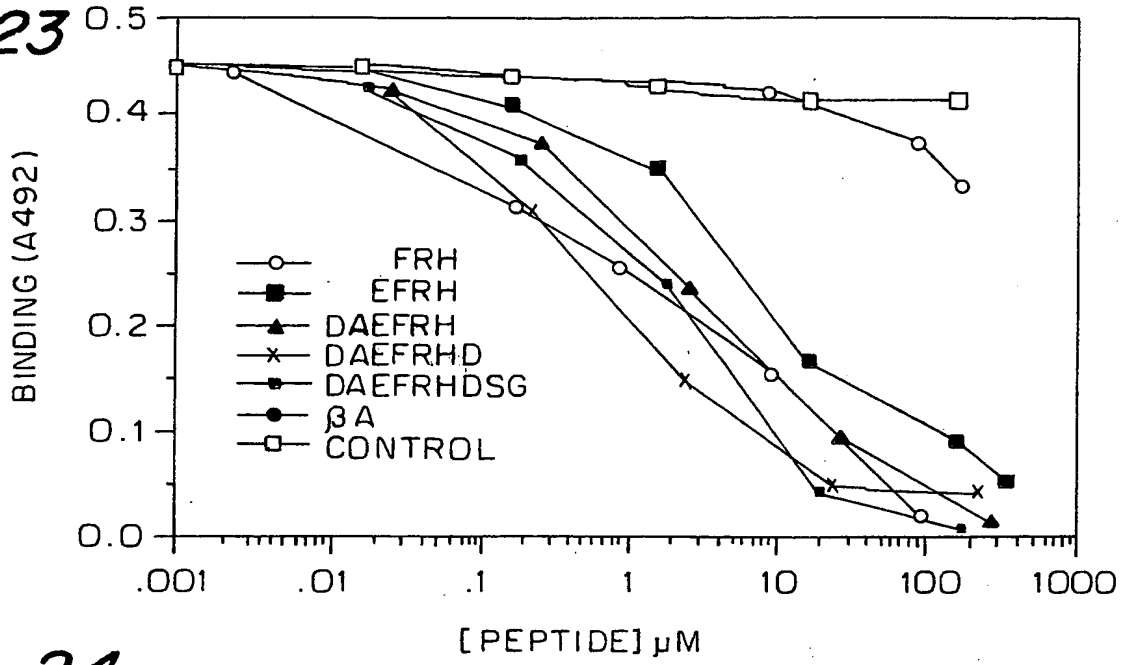

FIG. 24

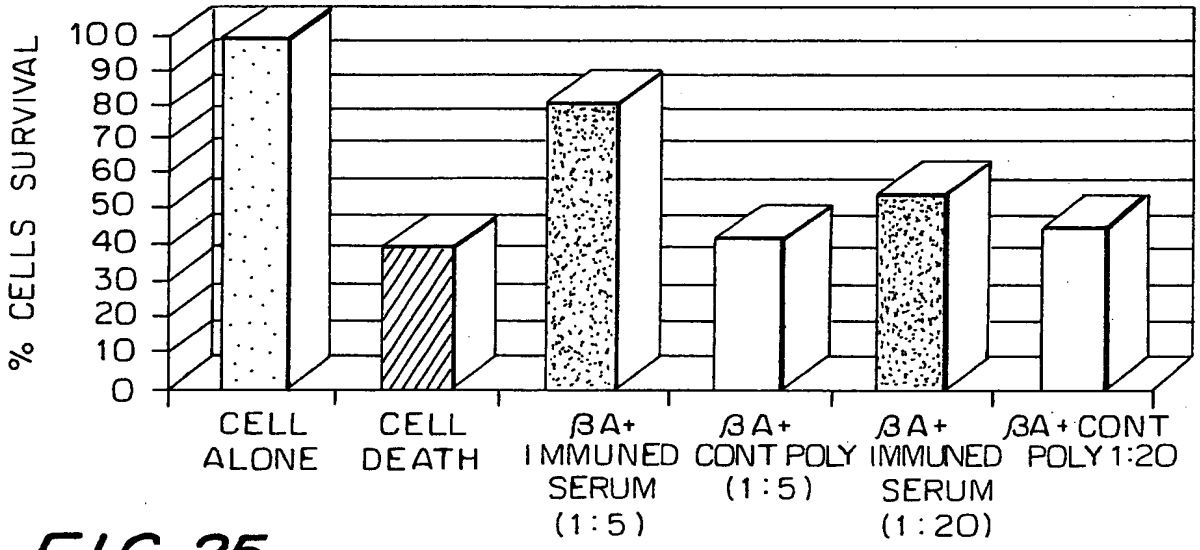

FIG. 25

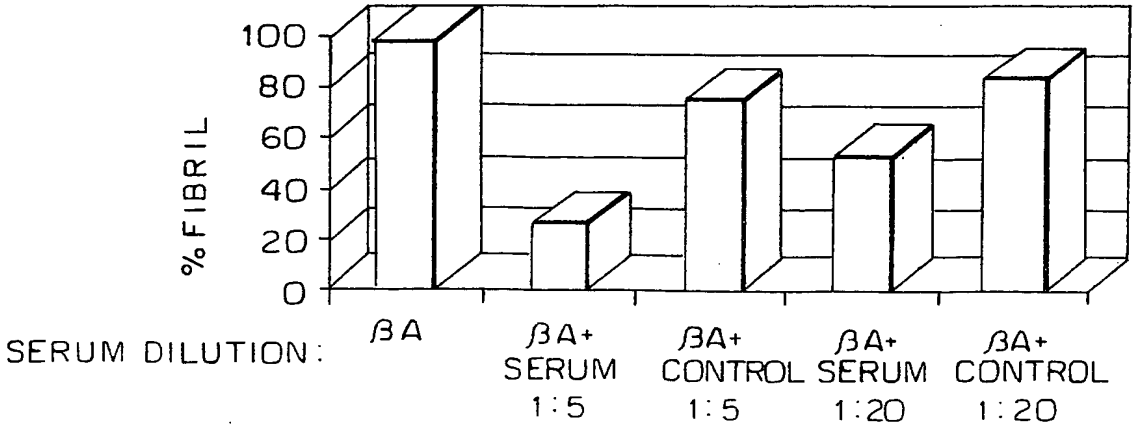

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FIG. 26

HUMAN PrP 106-126:	KTN**M**KH**M**AGAAAAGAVVGGLG
MOUSE PrP 105-125:	KTN**L**KH**V**AGAAAAGAVVGGLG

FIG. 27

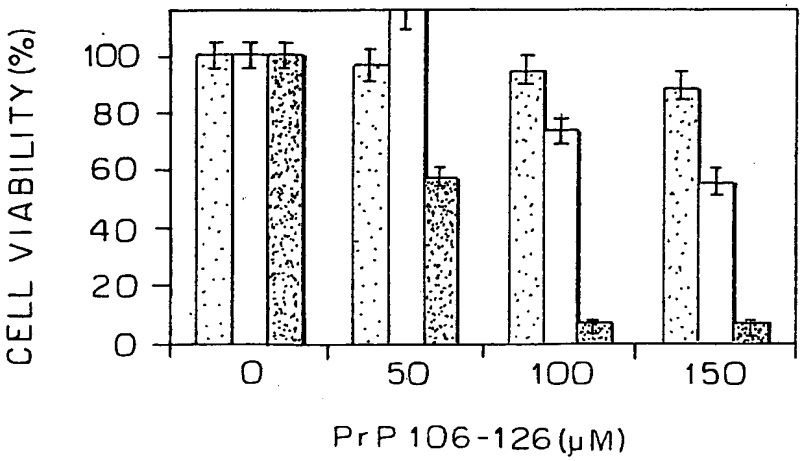

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FIG. 28

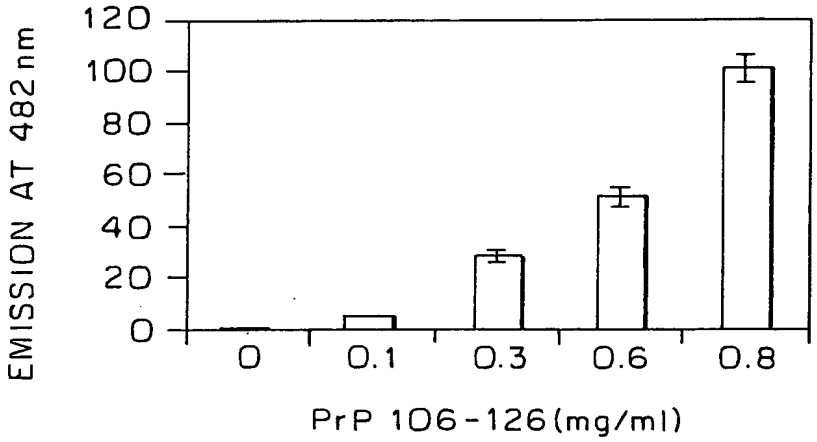

FIG. 29

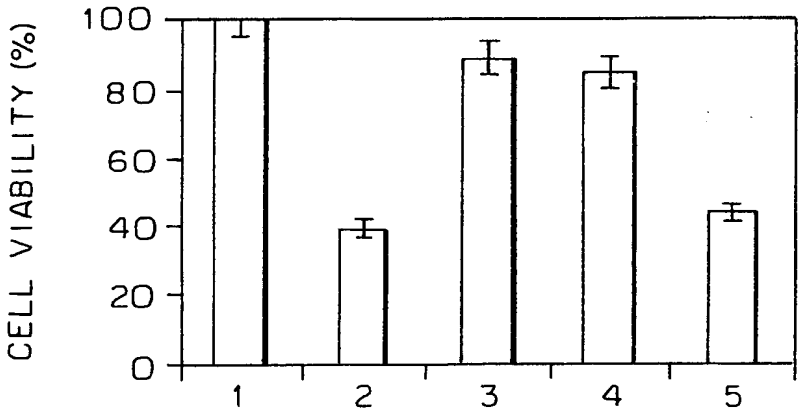

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FIG. 30

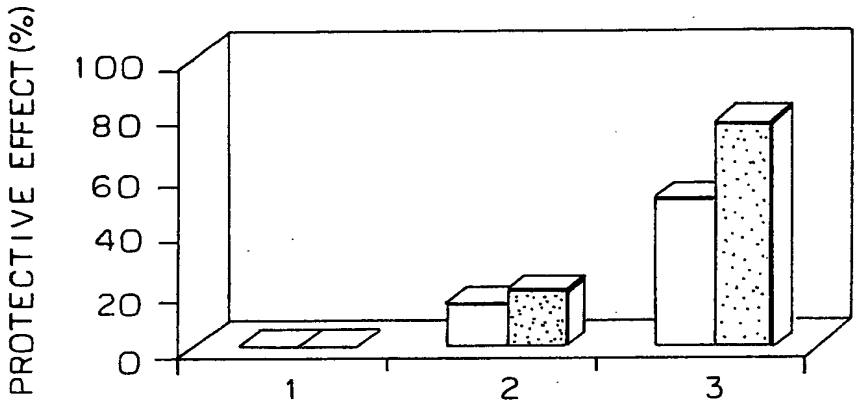
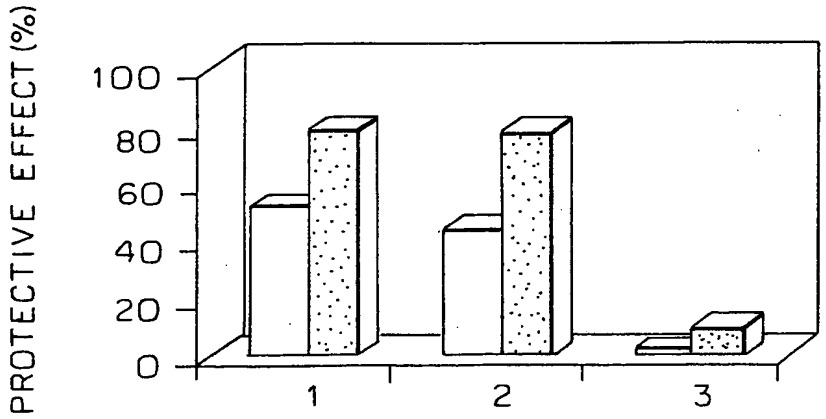
FIG. 31